

1. A power management topology for a portable electronic device, comprising:
- a portable electronic device comprising a rechargeable battery and a charge controller comprising circuitry generating a feedback signal indicative of battery charging power; and
- an external AC/DC adapter generating a DC source signal from an AC source, said adapter comprising a PWM generator generating a PWM signal, and a controller receiving said feedback signal and adjusting a duty cycle of said PWM signal thereby adjusting the power of said DC source signal
- wherein only said external AC/DC adapter, among said AC/DC adapter and said charge controller, comprises said PWM generator.

5. A topology as claimed in claim 1, wherein the charge controller further comprising circuitry to generate a feedback signal indicative of power requirements of said portable electronic device and battery charge current.

REMARKS

The Official Action mailed December 20, 2002 has been carefully considered. Reconsideration and allowance of the subject application, as amended, are respectfully requested. Claim 6 has been canceled by way of this amendment, thus no specific discussion thereof is believed necessary. No new matter has been added to the subject application as a result of the changes made thereto.

Figures 1A and 1 have been amended to overcome the Examiner's formal objections thereto, as set forth in cipher 2, page 2 of the Official Action.

At cipher 3 of the Official Action the Examiner objects to the drawings as not disclosing the adapter PWM, the controller and the demodulation circuitry. However, Figure 1A depicts